

## REMARKS

### Specification

Because applicant has introduced claims that are directed to matter that was previously incorporated by reference, Applicant has amended the specification to expressly include the incorporated matter. Accordingly, Applicant has added several figures and the accompanying descriptions that were previously incorporated by reference to the present specification. Because of the numerous amendments to the original specification, Applicant submits a substitute specification with this response. A marked up copy of the substitute specification is also submitted herewith. Because the matter added in the substitute specification was previously incorporated by reference, Applicant believes that no new matter is added in the substitute specification.

### Drawings

Several figures have been added due to the addition of several figures previously incorporated by reference. Accordingly, a new set of figures is submitted herewith along with a marked-up copy of any amended drawings.

### Claim Rejections Under § 102

Paragraph 1 of the Action rejects claims 1-2, 4-7, 9-10, and 12-13 under 35 U.S.C. 102(b) as being unpatentable in view of Krasner '960 (U.S. Patent 6,107,960). Claims 2, 6-7, and 10 have been cancelled by the above amendments thereby rendering the rejection moot as to these claims. Accordingly, Applicant respectfully requests that the rejection be withdrawn as to cancelled claims 2, 6-7, and 10. Applicant notes, however, that claims 2, 6-7, and 10 are

cancelled without prejudice, and Applicant expressly reserves the right to pursue any patentable subject matter that may be included in cancelled claims 2, 6-7, and 10 at a later time.

With regard to claims 1, 4-5, 9, and 12-13, Applicant respectfully traverses the rejection because Krasner '960 fails to teach, suggest, or disclose every element of amended independent claims 1 and 9. In order for amended independent claims 1 and 9 to be anticipated by Krasner '960, Krasner '960 must teach each and every element as set forth in amended independent claims 1 and 9 (see MPEP § 2131). Moreover, Krasner '960 must teach the identical invention in as much detail as is contained in amended independent claims 1 and 9 (see MPEP § 2131).

Krasner '960 teaches system and methods for reducing interference between a wireless communication transceiver and a GPS receiver within a single wireless communication device (see Abstract). To accomplish the reduced interference, Krasner '960 teaches lowering the transmit power level of the wireless communication transceiver when GPS signals are being received by the GPS receiver. The transmit power level is correspondingly increased when GPS signals are not being received (see col. 6, line 51 to col. 7, line 12).

The present application, on the other hand, is directed to systems and methods for reusing various wireless communication device components in a manner that not only reduces the cost and power consumption of the wireless communication device, but that also allows the wireless communication device to act as a standalone GPS receiver when required (See the Summary of the Invention). Accordingly, for example, a wireless communication device configured in accordance to amended independent claim 1 can "fully process the GPS signals, such that the receiver can act as a standalone GPS receiver . . ."

While Krasner does suggest that components can be reused (see col. 8, lines 18-29), Krasner '960 does not teach, suggest, or disclose, configuring the wireless communication

device to act as a standalone GPS receiver. Rather, Krasner '960 teaches the use of a basestation 160 for determining the location of the wireless communication device (see e.g., col. 3, lines 26-51). In other words, Krasner '960 teaches a conventional network based approach as described in the background of the present application.

Reusing a processor in a wireless communication device in a manner that not only allows the device to send and receive wireless communication signals but also to act as a standalone GPS receiver using a single processor is important because it reduces the cost, size, and power consumption of the wireless communication device and also reduces network traffic and signaling overhead. While it is one thing to suggest that various components can be reused, it is quite another to actually teach how to reuse components to achieve, for example, the advantages just described.

Krasner '960 cannot anticipate amended independent claims 1 and 9, because Krasner '960 does not teach, suggest, or disclose reusing a single processor in manner that allows a wireless communication device to act as a standalone GPS receiver as required by amended independent claims 1 and 9. Accordingly, Applicant respectfully requests withdrawal of the rejection as to amended independent claims 1 and 9. Further, Applicant respectfully requests withdrawal of the rejection as to claims 4-5 and 12-13 because claims 4-5 and 12-13 depend from amended independent claims 1 and 9, which are allowable over the art of record.

Paragraph 2 of the Action rejects claims 1-4 and 9-12 under 35 U.S.C. 102(b) as being unpatentable in view of Krasner '944 (U.S. Patent 5,945,944). Claims 2 and 10 have been cancelled by the above amendments thereby rendering the rejection moot as to these claims. Accordingly, Applicant respectfully requests that the rejection be withdrawn as to cancelled claims 2 and 10. Applicant notes, however, that claims 2 and 10 are cancelled without prejudice,

and Applicant expressly reserves the right to pursue any patentable subject matter that may be included in cancelled claims 2 and 10 at a later time.

With regard to claims 1, 3-4, 9, and 11-12, Applicant respectfully traverses the rejection because Krasner '944 fails to teach, suggest, or disclose every element of amended independent claims 1 and 9. In order for amended independent claim 1 and 9 to be anticipated by Krasner '944, Krasner '944 must teach each and every element as set forth in amended independent claims 1 and 9 (see MPEP § 2131). Moreover, Krasner '944 must teach the identical invention in as much detail as is contained in amended independent claims 1 and 9 (see MPEP § 2131).

Unlike Krasner '960, Krasner '944 does in fact illustrate combining GPS processing with wireless communication processing in a single device (see figure 2); however, like Krasner '960, Krasner '944 fails to teach, suggest, or disclose reusing a single processor in manner that allows a wireless communication device to act as a standalone GPS receiver as required by amended independent claims 1 and 9. Thus, Krasner '944 also teaches the use of a basestation 106 for determining the location of the wireless communication device (see e.g., col. 25, lines 23-30). In other words, Krasner '944 also teaches a conventional network based approach as described in the background of the present application. Accordingly, Applicant respectfully requests withdrawal of the rejection as to amended independent claims 1 and 9. Further, Applicant respectfully requests withdrawal of the rejection as to claims 3-4 and 11-12 because claims 3-4 and 11-12 depend from amended independent claims 1 and 9, which are allowable over the art of record.

#### Claim Rejections Under § 103

Paragraphs 3 and 4 of the Action rejects claims 8, and 14-19 as being unpatentable under 35 U.S.C. 103(a) in view of Krasner '960 and Krasner '944. Claim 8 has been cancelled by the

above amendments thereby rendering the rejection moot as to this claim. Accordingly, Applicant respectfully requests that the rejection be withdrawn as to cancelled claim 8. Applicant notes, however, that claim 8 is cancelled without prejudice, and Applicant expressly reserves the right to pursue any patentable subject matter that may be included in cancelled claim 8 at a later time.

Claims 14-16 have been amended to depend from newly added independent claim 40, which is believed to be allowable over the art of record for reasons similar to those described above. Accordingly, Applicant respectfully requests that the rejection be withdrawn as to claims 14-16, since they depend from an independent claim that is allowable over the art of record.

With regard to claims 17-19, Applicant traverses this rejection because Krasner '960 and Krasner '944 fail to teach, suggest, or disclose every element of the claims. In order to sustain a *prima facia* case of obviousness, Krasner '960 and Krasner '944 must teach or suggest every claim limitation and also a reasonable expectation that the claimed combination will be successful (see MPEP §2141.03).

For example, the present application is directed, as explained above, to systems and methods for reusing various wireless communication device components in a manner that not only reduces the cost and power consumption of the wireless communication device, but that also allows the wireless communication device to act as a standalone GPS receiver when required. The present application also, however, teaches method whereby such a wireless communication device can still use network assistance when it is available. This is advantageous, for example, because it can allow the device to access network assistance information such as Access Assist and Sensitivity Assist information, which can improve the GPS capability of the wireless communication device.

Accordingly, as described in relation to present figure 11 of the present application, the wireless communication device can first determine if network assistance is available (step 1104) and if it is, then a device can use the network assistance (step 1106). If network assistance is not available, then such a device can deactivate the wireless communication transceiver (step 1108), activate its standalone GPS processing capability (step 1110) and proceed to determine the location of the device.

As described above, Krasner '960 does teach reducing interference between a wireless communication transceiver and a GPS receiver within a single wireless communication device by lowering the transmit power level of the wireless communication transceiver when GPS signals are being received by the GPS receiver. Further, both Krasner '960 and Krasner '944 teach network assisted GPS processing. But neither Krasner '960 nor Krasner '944 teach, suggest, or disclose configuring the wireless communication device to act as a standalone GPS processor. Therefore, neither Krasner '960, nor Krasner '944 can possibly teach, suggest, or disclose first checking to see if network assistance is available and then either configuring the wireless communication device to act as standalone GPS processor or as a network assisted GPS processor depending on whether the network assistance is available. As a result, neither Krasner '960, nor Krasner '944, alone or in combination can support a *prima facia* case of obviousness with regard to claims 17-19. Accordingly, Applicant respectfully requests withdrawal of the rejection as to claims 17-19.

#### Miscellaneous Claim Amendments

Due to the claim amendments described above, several miscellaneous claim amendments where required to maintain consistency between the claims as well as between the claim

language and terms. In making these miscellaneous claim amendments, Applicant believes that no new matter was added.

New Claims

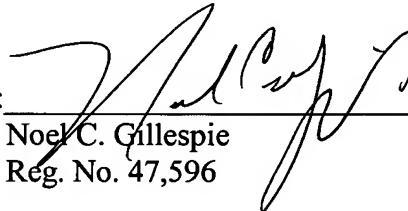
Several new claims are added by the above amendments. Applicant believes that no new matter has been added through the addition of these new claims. Further, for many of the reasons described above, Applicant believes that the claims are allowable over the art of record.

## CONCLUSION

Based on the above amendments and remarks, Applicants believe that the claims are in condition for allowance and such is respectfully requested.

After the above Amendments, claims 1, 3-5, 9, and 11-40 are still pending in the application, of which claims 1, 9, 17, and 40 are independent claims. Thus, there are 35 total claims and 4 independent claims. Prior to the above amendments, there were 19 total claims and 4 independent claims. Accordingly, the fee for 20 additional claims is believed due. The Commissioner is hereby authorized to charge any fees required by this response to our Deposit Account No. **50-2613** (Order No. 37945.00012).

Respectfully Submitted,

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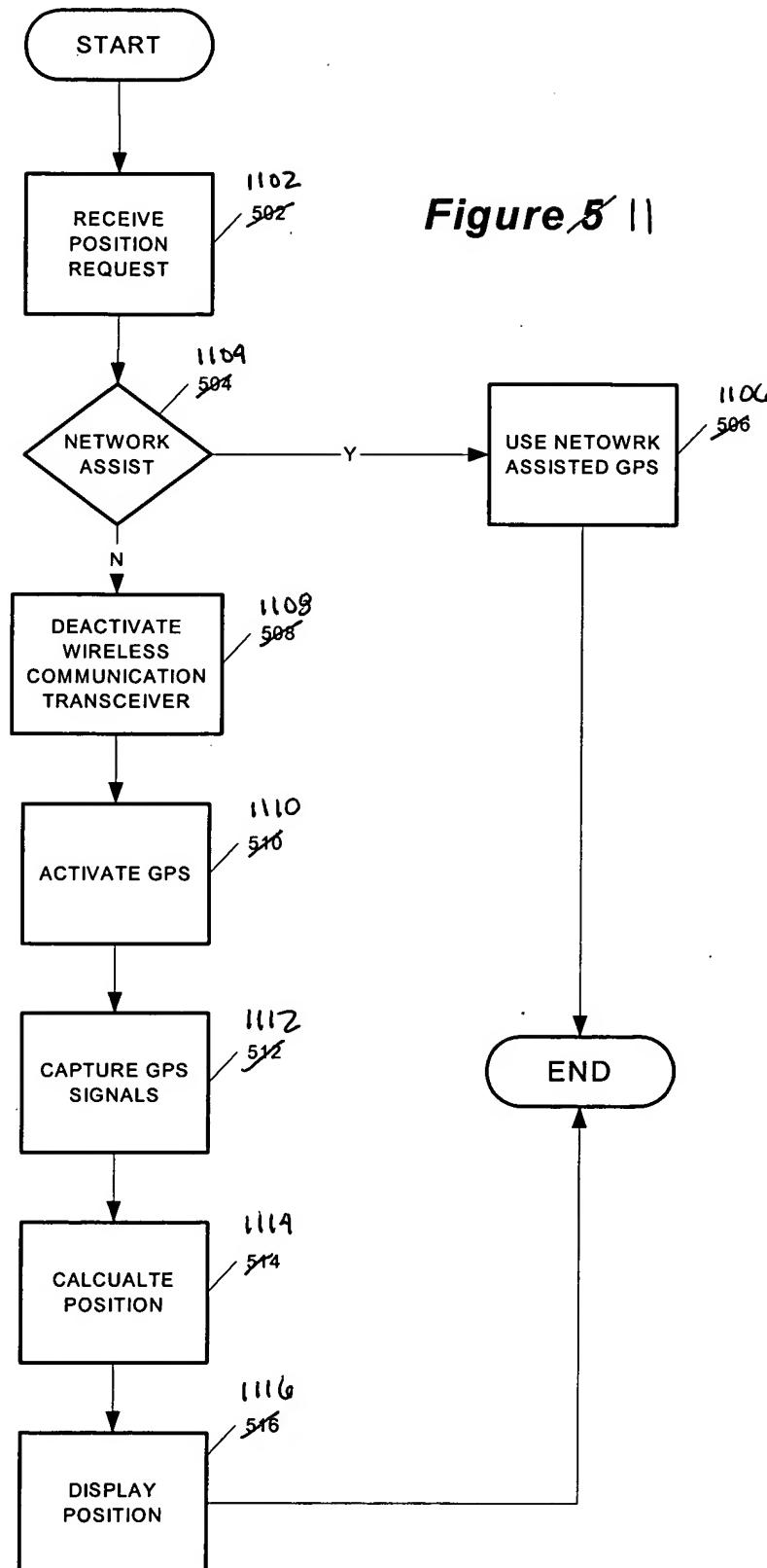


Figure 5 11

Approval  
6-18-03  
FHM